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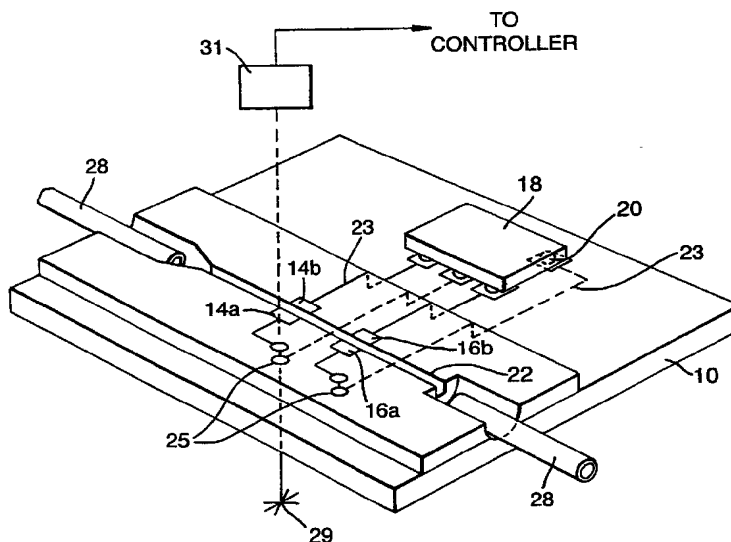
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(54) Title: APPARATUS FOR, AND METHOD OF, INTRODUCING A SUBSTANCE INTO A CELL BY ELECTROPORATION



(57) Abstract: The invention relates to an apparatus for and method of introducing a substance into an object, particularly into a cell or cellular material. In a preferred arrangement apparatus receives the cell and preferably locates it between first and second electrodes and applies a voltage pulse to cause a disruption in the cell wall. This causes the cell to become permeable. The substance may then be introduced, for example under a fluid pressure. Cells may then be inspected and sorted into transfected and non-transfected types. This may be achieved automatically, for example by using electrophoresis.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12M C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 5 137 817 A (BUSTA, H.H. ET AL.) 11 August 1992 (1992-08-11) abstract page 1; figures 1,4A,4B page 3; figures 4C,4E page 5; figures 5-7 column 3, line 19 - line 29 column 3, line 41 -column 4, line 18 column 5, line 28 - line 46 column 6, line 39 - line 62 column 9, line 67 -column 11, line 31 column 12, line 13 - line 24 column 12 -column 14; claims 1,2,4,6-10,12,13,15 ----- -/--	1,3,4, 6-8,12, 13 2,5,9-11

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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E	WO 00 37628 A (EVOTEC BIOSYSTEMS AG) 29 June 2000 (2000-06-29) abstract page 1, line 1 - line 10 page 3, line 31 -page 7, line 9 page 8, line 16 -page 19, line 25 page 20 -page 22; claims 1-9,11-18 page 23; figures 1A,1B page 25; figure 3 page 27 -page 29; figures 5-9	1-7,9, 12,13
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INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 4 894 343 A (TANAKA, S. ET AL.) 16 January 1990 (1990-01-16) cited in the application the whole document -----</p>	1-13

INTERNATIONAL SEARCH REPORT

Information on patent family members

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